



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Quality Engineered Products Co., Inc.
4506 Quality Lane
Tampa, FL 33634

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HMF" 16 ga Outswing Full Louvered Commercial Steel Door-Impact

APPROVAL DOCUMENT: Drawing No. QEP005, titled "Full Louvered Steel Doors", sheets 1 through 5 of 5, prepared by manufacturer, dated Nov 12, 2009, signed and sealed by David M. Schonacher, P. E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitation: 1. Not approved where Air & Water infiltration is needed

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 12-1115.12 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 14-1015.05
Expiration Date: October 28, 2019
Approval Date: November 06, 2014
Page 1

10/31/14

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files #12-1115.12/# 09-0812.17)
2. Drawing No. QEP005, titled "Full Louvered Steel Doors", sheets 1 through 5 of 5, prepared by manufacturer, dated Nov 12, 2009, signed and sealed by David M. Schonacher, Jr., P. E.

Note: This renewal with no change.

B. TESTS (Submitted under files #12-1115.12# 09-0812.17/ #04-0823.03)

1. Test reports on 1) Air Infiltration Test, per FBC TAS 202-94 (Not Performed)
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202.
3) Water Resistance Test per FBC TAS 202-94 (Not Performed).
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC and TAS 202-94

Along with marked-up drawings and installation diagram of double Outswing full louvered Commercial Steel Doors, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1255-W-R**, w/ revision dated September 14, 2004 (original test report dated July 28, 2004), signed and sealed by Ramesh Patel, P. E.)

C. CALCULATIONS (Submitted under files #12-1115.12/# 09-0812.17)

1. Anchor verification calculations, dated 10/25/2005, prepared, signed and sealed by David M. Schonacher, Jr., P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS


1. Tensile test report prepared by Certified Testing Laboratories Inc., Test Report No. **CTL 1023J (CTLA114W)**, tested per ASTM E-A370-97, dated December 02, 2003, signed and sealed by Ramesh Patel, P. E. (Submitted under file #12-1115.12/#09-0812.17)
2. Notice of Acceptance No. **11-0926.07** issued to Dyplastic Products, LLC (former Apache Products Co) for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/2017.

F. STATEMENTS (except item #1, submitted under previous files)

1. Statement letter dated 08/06/14 issued by Quality Engineered Products Co., Inc., requesting Renewal with No change, signed by Andrew Bernstein.
2. Statement letter of conformance to FBC 2010 and "no financial interest", dated 01/15/13, signed and sealed by David M. Schonacher Jr., P. E. (Submitted under file #12-1115.12)
3. Statesman letter of conformance to FBC 2007 and "No financial interest", dated 12-01-2009, signed and sealed by David M. Schonacher Jr., P. E. (Submitted under file # 09-0812.17)
4. Statement letter of compliance, as a part of the above referenced test reports.

G. OTHER

1. This renews **NOA # 12-1115.12**, expiring October 28, 2019.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 14-1015.05
Expiration Date: October 28, 2019
Approval Date: November 06, 2014

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION INTO WOOD FRAMING USE 3/8 INCH DIAMETER WOOD LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 2 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. WOOD LAG SCREWS TO BE USED IN 3/4 INCH EMT PIPE SLEEVE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/8 INCH DIAMETER DYNABOLT SLEEVE ANCHOR BY ITW/REDHEAD OF SUFFICIENT LENGTH TO ACHIEVE 2 3/8 INCH MINIMUM EMBEDMENT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
• TAS 201-94/TAS 202-94 (STRUCTURAL ONLY)/TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- (2) 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- DOOR FRAME MATERIAL: 16 GA. STEEL
- STRUCTURAL MEMBER AT DOOR HEADER MUST BE DESIGNED TO CARRY 179#/FT LOAD AND TO BE REVIEWED BY BUILDING OFFICIAL

QUALITY ENGINEERED PRODUCTS

FULL LOUVERED COMMERCIAL STEEL DOOR

(OUTSWING)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-1015-05
Expiration Date OCT 29, 2019
By Ishag I. Chaudhry
Miami Dade Product Control

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 12-1115-12
Expiration Date OCT 28, 2014
By Ishag I. Chaudhry
Miami Dade Product Control

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SHEET	REVISION	SHEET DESCRIPTION
1	-	INSTALLATION & GENERAL NOTES
2	-	ELEVATIONS & DETAILS
3	-	ANCHOR LAYOUTS
4	-	VERTICAL SECTIONS & DETAILS
5	-	HORIZONTAL SECTION, BILL OF MATERIALS, & DETAILS

DESIGN PRESSURE RATING (OUTSWING DOORS WITH LOUVERS)			
	WHERE AIR AND WATER FILTRATION REQUIREMENT IS NOT NEEDED	WHERE AIR AND WATER FILTRATION REQUIREMENT IS NEEDED	MISSILE IMPACT RATING
POSITIVE	+70.0 PSF	NOT APPROVED	LARGE AND SMALL IMPACT RATED
NEGATIVE	-70.0 PSF	NOT APPROVED	LARGE AND SMALL IMPACT RATED

Quality
Engineered
Products Co., Inc.

4506 QUALITY LN.
TAMPA, FL. 33634
PH: (813) 885-1693 FX: (813) 884-2673

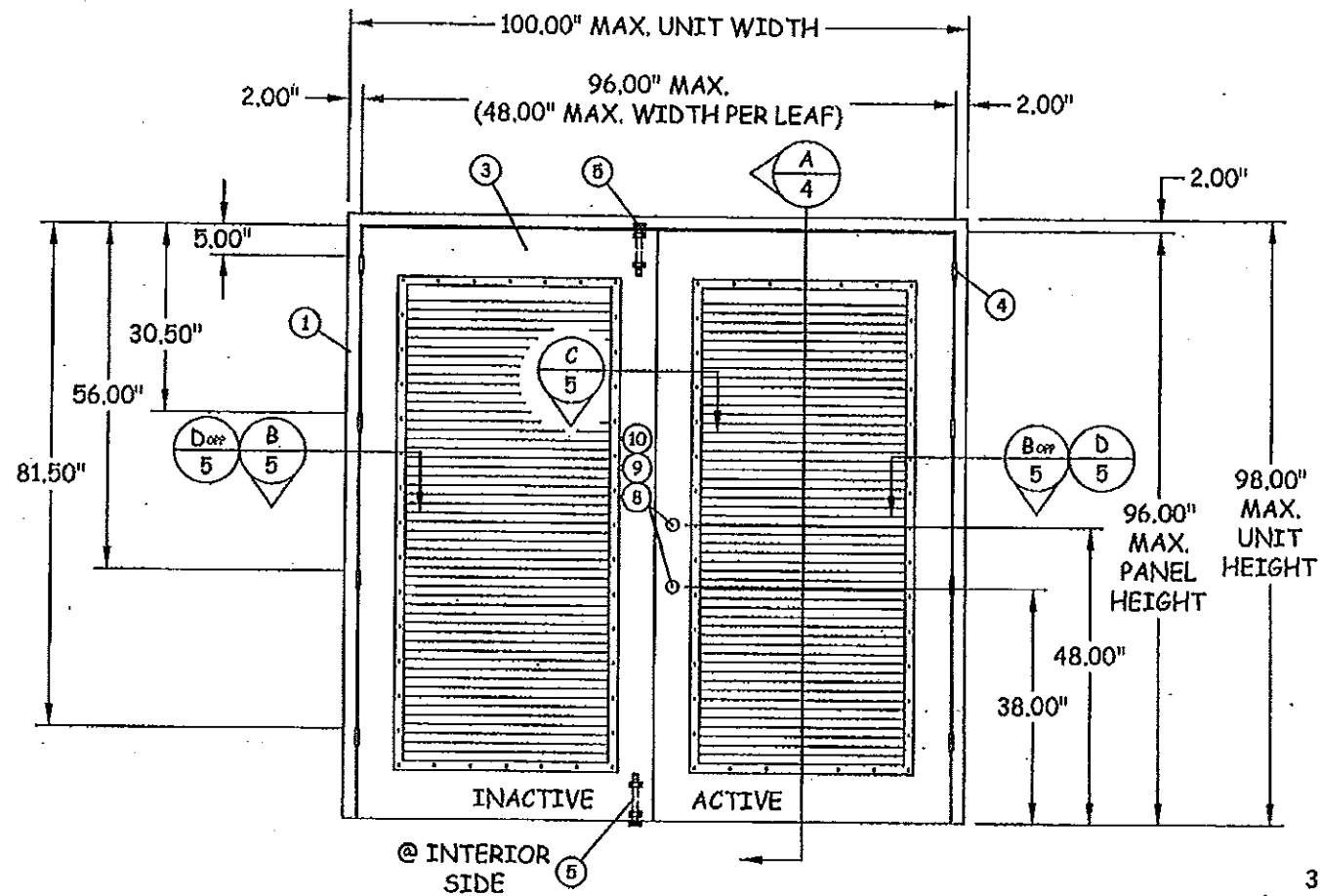
TITLE: FULL LOUVERED STEEL DOOR
INSTALLATION &
GENERAL NOTES
PREPARED BY:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS	NO.	DESCRIPTION	BY	DATE

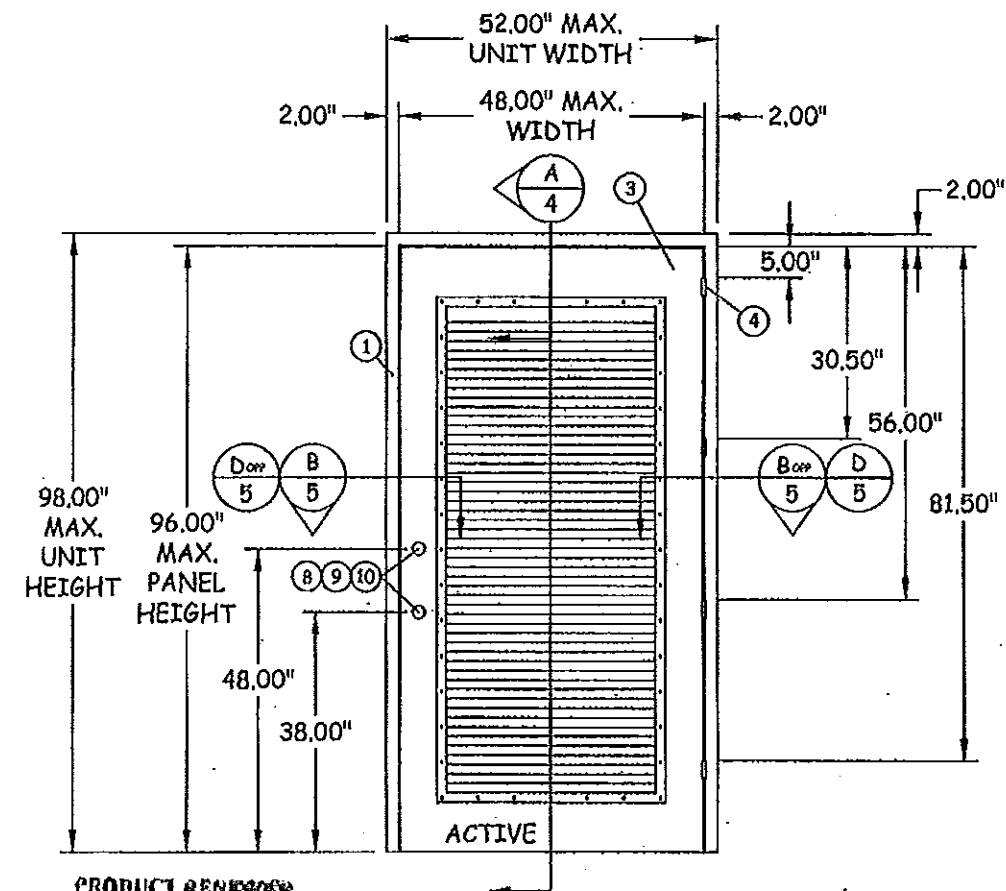
NOV 13 2009
DAVID M. SCHONACHER P.E.
FLORIDA REG. # 63131

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 09-0812-17
Expiration Date OCT 28, 2014
By Ishag I. Chaudhry
Miami Dade Product Control
Division

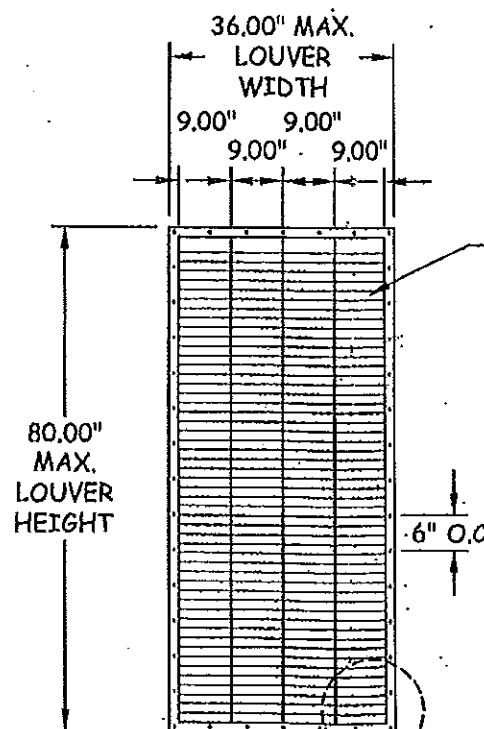
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DWN BY: KRM
CHK BY: DMS
SCALE: NTS
DWG #: QEP005
SHEET: 1 OF 5



**EXTERIOR
ELEVATION**



**EXTERIOR
ELEVATION**



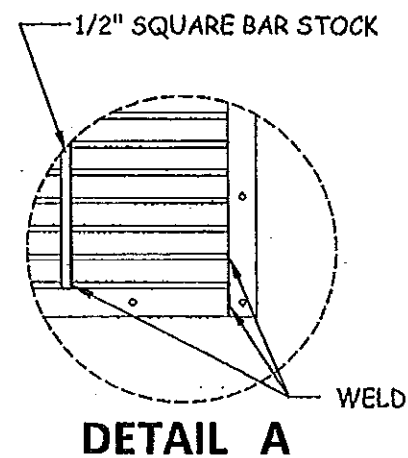
**ILLUSTRATED
INTERIOR VIEW
LOUVER**

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 14-1015-05
Expiration Date 10/22/19
By *Shag I. Chaudhary*
Miami Dade Product Control

(3) PIECES, EACH LOUVER, 1/2" SQUARE
BAR STOCK FROM TAMPA STEEL & SUPPLY
WELDED TO LOUVER FRAME AND TACK
WELDED TO EACH LOUVER BLADE

EACH LOUVER ATTACHED TO THE
DOOR WITH (38) #6 X 1/2" SQUARE
DRIVE SCREWS
14 - (LEFT)
14 - (RIGHT)
5 - (TOP)
5 - (BOTTOM)

SEE DETAIL A



PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 12-1115-12
Expiration Date 10/22/14
By *Shag I. Chaudhary*
Miami Dade Product Control

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 02-0812-17
Expiration Date 06/22/2014
By *Shag I. Chaudhary*
Miami Dade Product Control
Division

Quality
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4506 QUALITY LN.
TAMPA, FL 33634
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TITLE:
FULL LOUVERED STEEL DOOR
ELEVATIONS & DETAILS

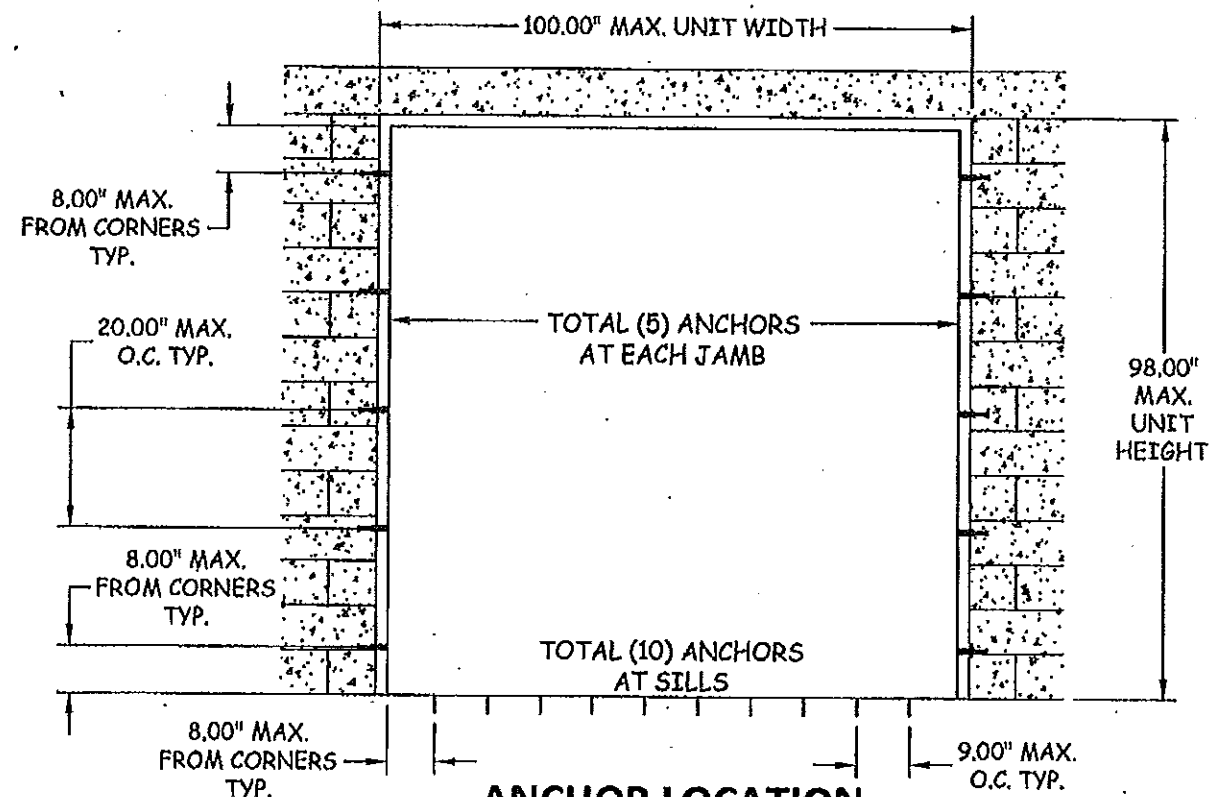
PREPARED BY:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS

NO.	DESCRIPTION	BY	DATE

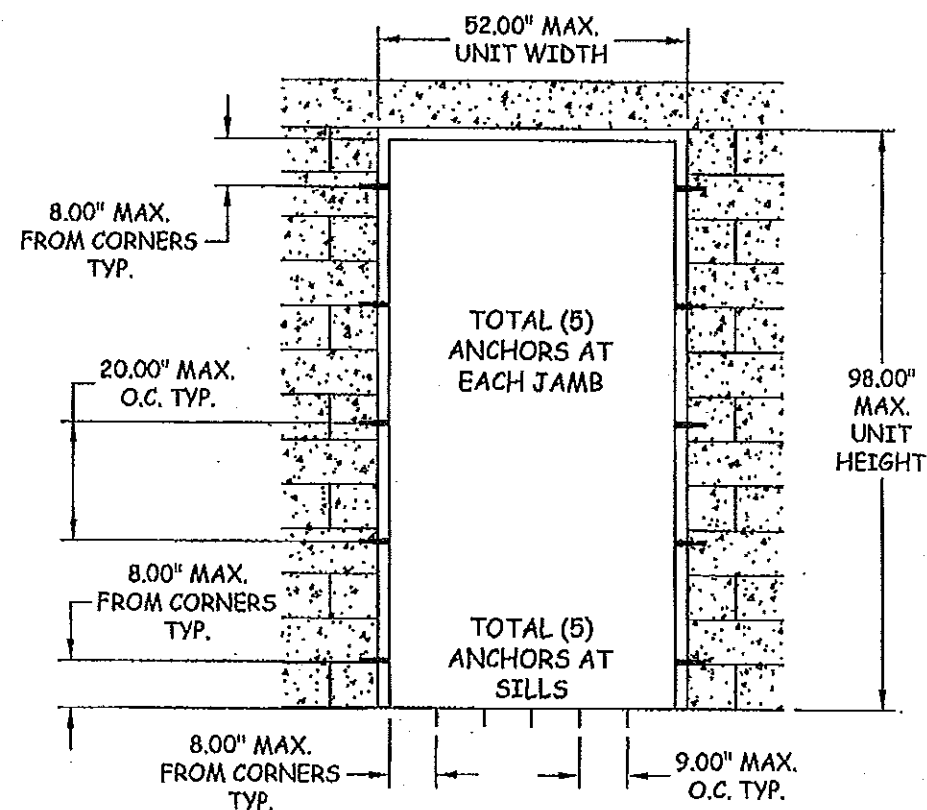
NOV 12 2009
DAVID M. SCHONACHER, P.E.
FLORIDA REG. # 63131

DATE: 11.11.09
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CHK BY: DMS
SCALE: NTS
DWG #: QEP005
SHEET: 2 OF 5



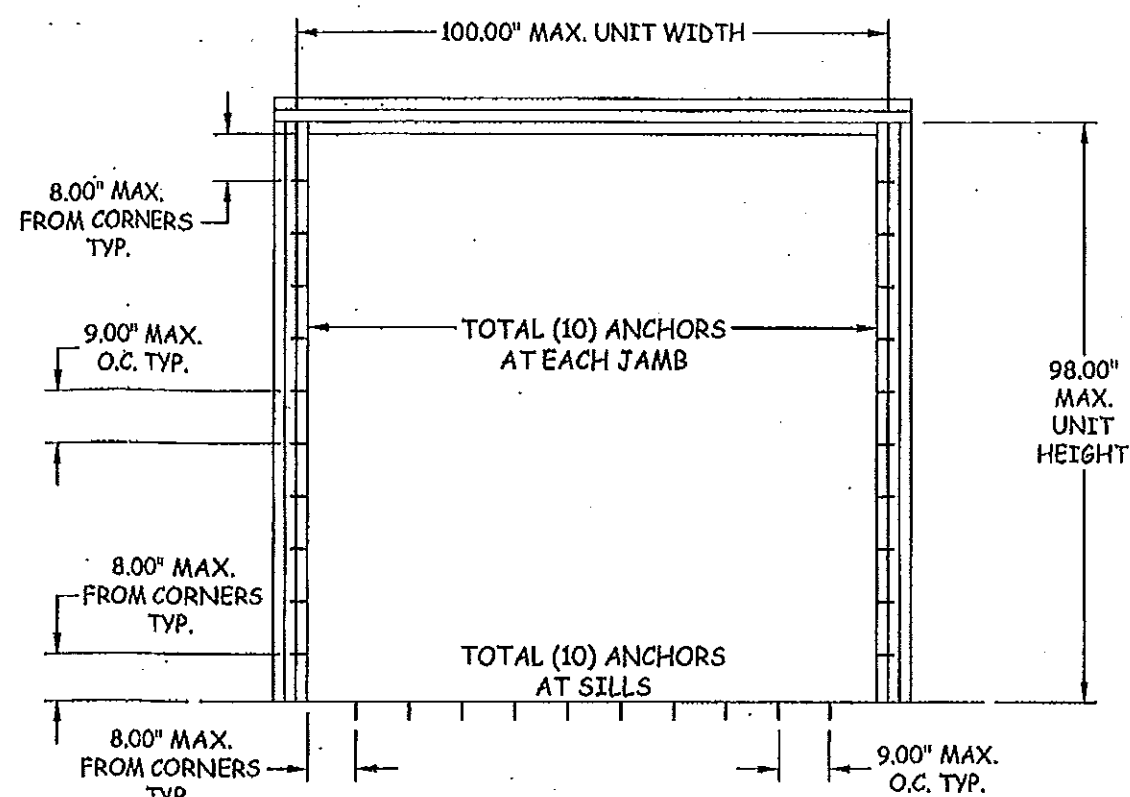
ANCHOR LOCATION

INSTALLATION INTO MASONRY
(GROUT FILLED BLOCKS)



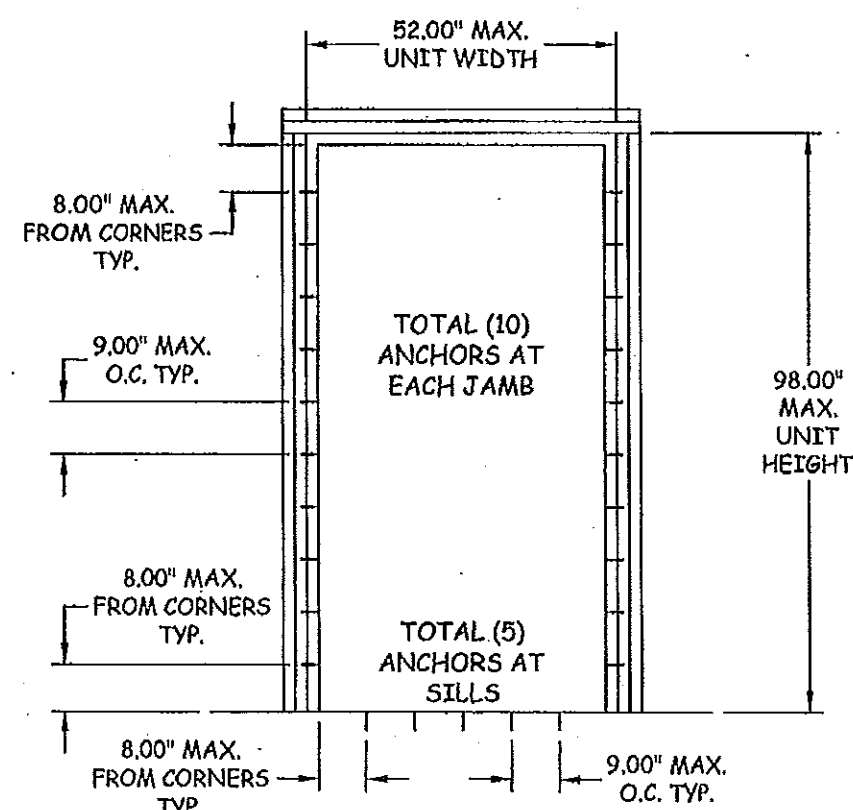
ANCHOR LOCATION

INSTALLATION INTO MASONRY
(GROUT FILLED BLOCKS)



ANCHOR LOCATION

INSTALLATION INTO WOOD STRUCTURE



ANCHOR LOCATION

INSTALLATION INTO WOOD STRUCTURE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-1015-05
Expiration Date 10/28/19
By *[Signature]*
Miami Date Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-1115-12
Expiration Date 10/28/14
By *[Signature]*
Miami Date Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 09-0812-17
Expiration Date 06/28/2014
By *[Signature]*
Miami Date Product Control
Division

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TITLE:
FULL LOUVERED STEEL DOOR
ANCHOR LAYOUTS

PREPARED BY:
QUALITY ENGINEERED PRODUCTS
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PH: 813.885.1693 FX: 813.884.2673

REVISIONS

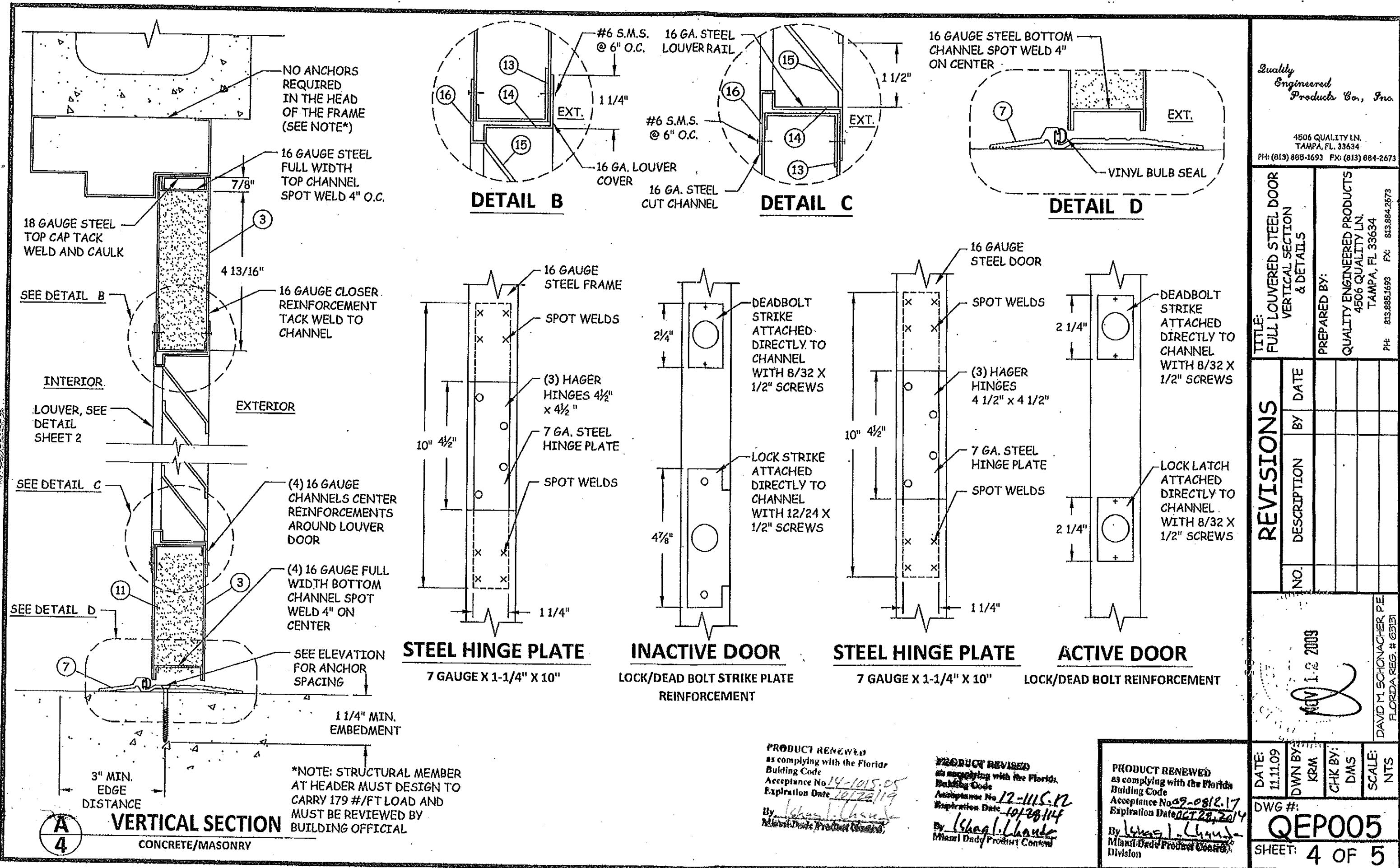
NO.	DESCRIPTION	BY	DATE

NO. 12 2009

DAVID M. SCHONACHER, P.E.
FLORIDA REG. # 63151

DATE: 11.11.09
DWN BY: KRM
CHK BY: DMS
SCALE: NTS

DWG #: QEP005
SHEET: 3 OF 5



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TAMPA, FL. 33634
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TITLE: FULL LOUVERED STEEL DOOR
VERTICAL SECTION & DETAILS

PREPARED BY:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS		DATE	BY
NO.	DESCRIPTION		

NOV 1 2 2009

DAVID M. SCHONACHER, P.E.
FLORIDA REG. # 63131

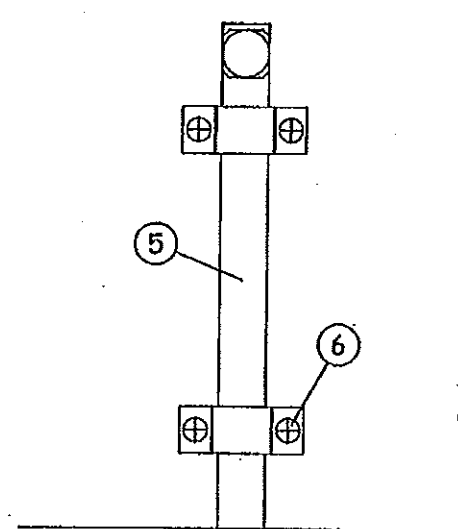
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SCALE: NTS

DWG #: QEP005
SHEET: 4 OF 5

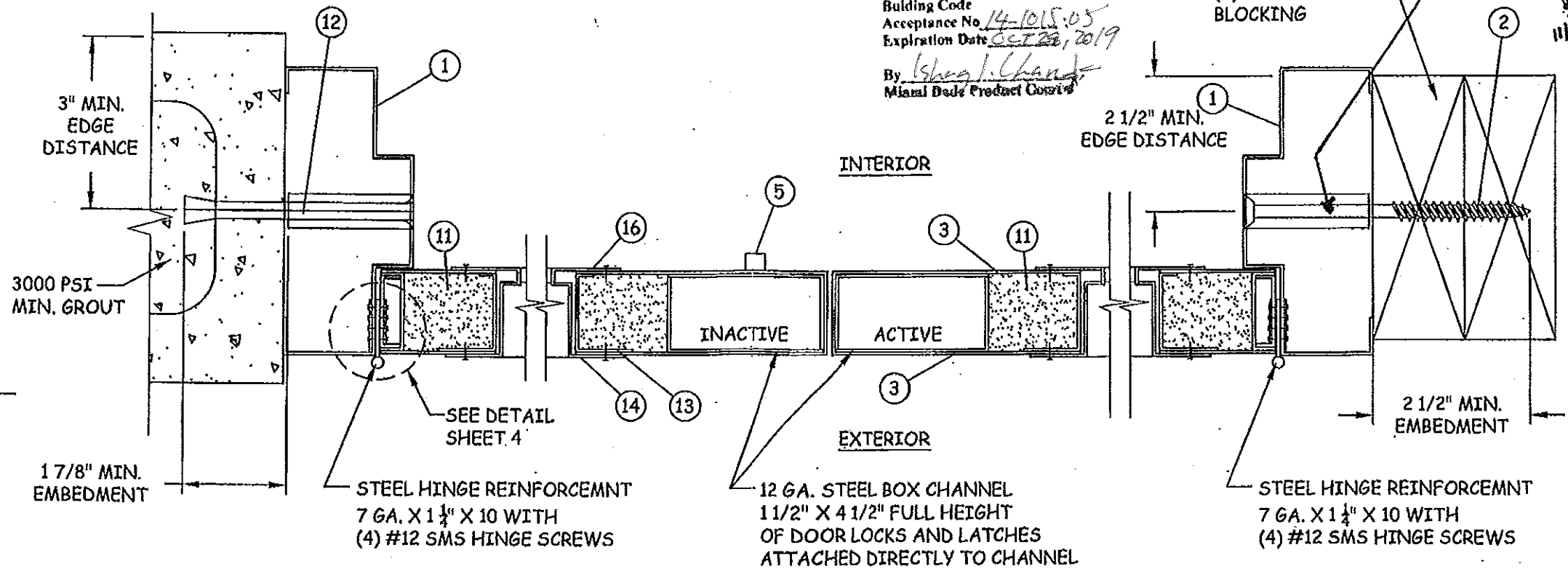
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-1015-05
Expiration Date 10/28/19
By: [Signature]
Miami Dade Product Control

PRODUCT RENEWED
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By: [Signature]
Miami Dade Product Control

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Acceptance No. 09-0812-17
Expiration Date OCT 29, 2014
By: [Signature]
Miami Dade Product Control
Division



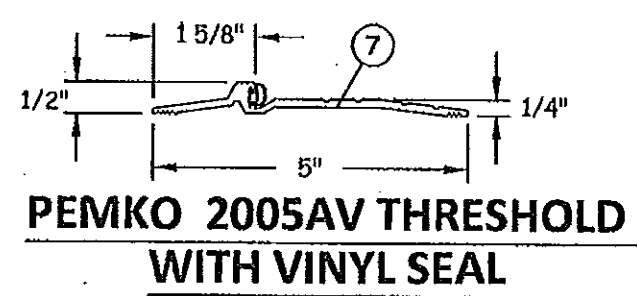
**IVES 360
SURFACE BOLT**



B
5 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY

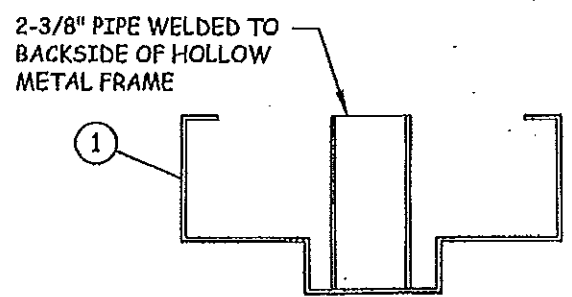
C
5 **HORIZONTAL SECTION**
ASTRAGAL

D
5 **HORIZONTAL SECTION**
JAMB - 2X WOOD FRAME

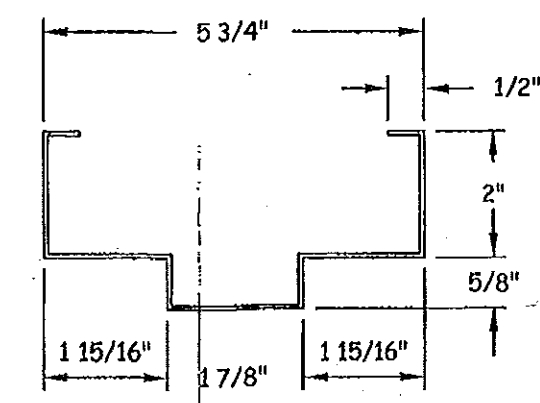


**PEMKO 2005AV THRESHOLD
WITH VINYL SEAL**

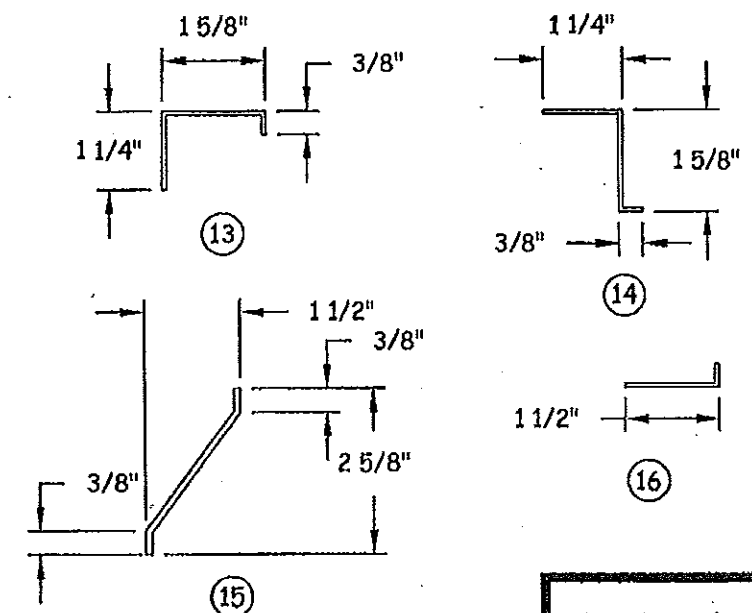
BILL OF MATERIALS		
MARK	QUANTITY	DESCRIPTION
1	1	16 GA. (.063) MIN. STEEL HOLLOW METAL FRAME
2	SEE ELEV.	3/8" x 6" WOOD LAG SCREWS W/ 3/4" EMT PIPE SLEEVE
3	2	16 GA. (.0635) MIN. STEEL HOLLOW METAL DOORS W/ LOUVERS Fy MIN. = 41,200 PSI/FU MIN. = 57,800 PSI)
4	8	HANGER HINGES BB1278 4-1/2" x 4-1/2" x .134 THICK
5	2	IVES 360 SURFACE BOLTS
6	8	1/4" x 3" STAINLESS STEEL FLAT HEAD BOLT/WASHER/NUTS
7	1	THRESHOLD PEMKO #2005AV INSTALLED W/ #10 WOOD SCREWS OR 3/16" ITW TAPCONS (SEE ELEV. PER SHEET 3)
8	1	SCHLAGE AL63PD LOCK W/ B660 DEADLOCK
9	1	RUSWINN CL3355 LOCK W/ DL2113 DEADLOCK
10	1	MARKS 106AB LOCK W/ 130K DEADLOCK
11	AS REQ.	EXPANDED POLYSTYRENE (EPS) BY APPACHE PRODUCTS (CURRENT NOA)
12	SEE ELEV.	1/2" DIA. DYNABOLT IW/REDHEAD SLEEVE ANCHOR (3/8" DIA BOLT) X 4-1/2" EMBEDMENT & 3" MIN. EDGE DISTANCE
13	AS REQ.	16 GA. CUT OUT CHANNEL
14	AS REQ.	16 GA. LOUVER RAIL
15	AS REQ.	16 GA. LOUVER BLADE
16	AS REQ.	16 GA. LOUVER COVER



2-3/8" PIPE WELDED TO
BACKSIDE OF HOLLOW
METAL FRAME



**16 GA. (.063 MIN.)
STEEL FRAME PROFILE**



PRODUCT RENEWED
as complying with the Florida
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By Ismael L. Chan
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
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Acceptance No. 09-0913-17
Expiration Date OCT 28, 2014
By Ismael L. Chan
Miami Dade Product Control
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TITLE: FULL LOUVERED STEEL DOOR
HORIZONTAL SECTIONS,
BILL OF MATERIALS, & DETAILS
PREPARED BY:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813-885-1693 FX: 813-884-2673

REVISIONS	NO.	DESCRIPTION	BY	DATE

NOV 12 2009
DAVID M. SCHONACHER P.E.
FLORIDA REG. # 63181

DATE: 11.11.09
DWG BY: KRM
CHK BY: DMS
SCALE: NTS
DWG #: **QEPO05**
SHEET: **5 OF 5**